

## ATTACHMENT 5: REFERENCE DOCUMENTS

The documents referenced in Table 1 are not compliance documents for this Launch Service Agreement (LSA) Other Transactions Authority (OTA) effort. Table 1 is provided for your reference. These documents will become compliance documents applicable to an EELV launch service contract. The items in bold signify key EELV compliance documents.

<b>Table 1 EELV Launch Service Compliance Documents</b>		
<b>Document Number/Abbreviation</b>	<b>Revision/Date</b>	<b>Document Title</b>
*SPRD	Revision A Apr-14	Systems Performance Requirements Document
*SIS	Revision B 9-Nov-13	Standard Interface Specification
AFSPCMAN 91-710 (Vol 1-7) (Note 10)	1-Jul-04	Range Safety User Requirements
AIAA S-080-1998	1998	Space Systems, Metallic Pressure Vessels, Pressurized Structures, and Pressure Components
AIAA S-081A-2006	2006	Space Systems – Composite Overwrapped Pressure Vessels (COPV)
AIAA S-110-2005	2005	Space Systems – Structures, Structural Components, and Structural Assemblies
AIAA S-113-2005	2005	Criteria for Explosive Systems and Devices Used on Space and Launch Vehicles
AIAA S-114-2005	2005	Moving Mechanical Assemblies for Space and Launch Vehicles
AIAA S-120-2015	2015	Mass Properties Control for Space Systems
*CNSSD No. 505	7-Mar-12	Committee on National Security Systems Directive 505, Supply Chain Risk Management
*CNSSI No. 1200	7-May-14	National Information Assurance Instruction for Space Systems Used to Support National Security Missions
*CNSSP No. 12	28-Nov-12	National Information Assurance Policy for Space Systems Used to Support National Security Missions
*CNSSI No. 1253	27-Mar-14	Security Categorization and Control Selection for National Security Systems
*CNSSP No. 22	Aug-12	Cybersecurity Risk Management
CPIA-Pub-655	Jan-97	Guidelines for Combustion Stability Specifications and Verification Procedures for Liquid Propellant Rocket Engines
DoD 5000.04-M-1	4-Nov-11	Cost and Software Data Reporting (CSDR) Manual

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Document Number/Abbreviation	Revision/Date	Document Title
DoD 5220.22-M	28-Feb-06	National Industrial Security Program Operating Manual (NISPOM) (for classified requirements only)
*DoDI 8581.01 Enclosure 3, paragraph a.4.e.	8-Jun-10	Department of Defense Instruction (DoDI) 8581.01, Information Assurance (IA) Policy for Space Systems Used by the Department of Defense
*DoDI 8582.01	6-Jun-12	Security of Unclassified DoD Information on Non-DoD Information Systems
*EELV OPSEC Plan	25-Mar-14	EELV Operations Security (OPSEC) Plan
*EELV PPP (v4)	Draft	Draft EELV Program Protection Plan, Version 4.0
*EELV SCG	30-Apr-12	EELV Security Classification Guide
MRA (Note 1)		Mission Requirements Annex
ISO 10785	1-Oct-11	Space System-Bellows-Design and Ops
ISO 17666	1-Apr-03	Space Systems – Risk Management
ISO/IEC 27001	1-Oct-2013	Information Technology – Security Techniques – Information Security Management Systems - Requirements
ISO/IEC 27002	1-Oct-13	Information Technology – Security Techniques – Code of Practice for
Technical Corrigendum 1	15-Sep-14	Information Security Controls
Technical Corrigendum 2	15-Nov-15	
MIL-STD-1367A	2-Oct-89	Packaging, Handling, Storage, and Transportability Program Requirements for Systems and Equipment
MIL-STD-461F	10-Dec-07	Electromagnetic, Emissions, and Susceptibility, Requirements for the Control of Electromagnetic Interference
MIL-STD-882E (T)	11-May-12	Systems Safety Program Requirements
MIL-STD-1542B	15-Nov-91	EMC Grounding Requirements for Space System Facilities
Mission ICD		Mission Interface Control Document (ICD)
NASA-STD-5012B	16-May-16	Strength and Life Assessment Requirements for Liquid-Fueled Space Propulsion System Engines
NASA STD-5019A	2016	Fracture Control Requirements for Spaceflight Hardware
NASA-STD-5020	12-Mar-12	Requirements for Threaded Fastening Systems in Spaceflight Hardware

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Document Number/Abbreviation	Revision/Date	Document Title
NROL IPG (Note 2, 10)	21-Feb-12	NRO Launch Information Protection Guide
*NIST 800-171	Jun-15	Protecting Controlled Unclassified Information in Nonfederal Information Systems and Organizations
*ODMSP	N/A	United States Government Orbital Debris Mitigation Standard Practices (ODMSP)
RCC 319 (Note 10)	Current Version	Range Commander's Council (RCC) Flight Termination Systems Commonality Standard
RCC 324 (Note 10)	Current Version	Global Positioning and Inertial Measurements Range Safety Tracking Systems' Commonality Standard
RCC 501 (Note 10)	Current Version	Range Commander's Council (RCC) Universal Documentation System
SAE EIA 649-1 (Note 11)	2014	Configuration Management Requirements for Defense Contracts
SAE AS6500 (Note 11)	2014	Manufacturing Management Program
SAE AS9100C	13-Jan-09	Quality Management Systems – Requirements for Aviation, Space and Defense Organizations
LE-Std-001	TBD	Guidelines for Combustion Stability Specifications and Verification Procedures for Liquid Propellant Rocket Engines
SMC-S-001	1-Jul-13	Systems Engineering Requirements and Products
SMC-S-003 (T)	8-May-15	Quality Space and Launch Requirements Addendum to AS9100C
SMC-S-004	13-Jun-08	Independent Structural Loads Analysis
SMC-S-005	28-Feb-15	Space Systems – Flight Pressurized Systems
SMC-S-006	13-Jun-08	Solid Rocket Motor Case Design and Test Requirements
SMC-S-007	13 June-08	Space Battery
SMC-S-008	13-Jun-08	Electromagnetic Compatibility Requirements for Space Equipment and Systems
SMC-S-011	3-Jul-15	Parts, Materials, and Processes Control Program for Expendable Launch Vehicles
SMC-S-013	13-Jun-08	Reliability Program for Space Systems

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Document Number/Abbreviation	Revision/Date	Document Title
SMC-S-016	5-Sep-14	Test Requirements For Launch, Upper-Stage and Space Vehicles
SMC-S-018	13-Jun-08	Lithium Ion Battery for Launch Vehicle Application
SMC-S-019	Rev A, 2008	Program and Subcontractor Management
SMC-S-020	3-Jun-09	Technical Requirements for Wiring Harness, Space Vehicles
SMC-S-021, Volume 1	15-Sep-09	Technical Reviews and Audits for Systems, Equipment and Computer Software
SMC-T-004	2013	Tailoring Instructions For MIL-STD-882E
SMC-T-007	2015	SMC Tailoring of EIA 649-1 Engineering Change Proposal
Risk Tailoring	2016	Tailoring of Risk Management Requirements in SMC-S-001 (2013) (T)

\*Document is not tailorable

Overall Note: With the exception of the compliance documents noted as “\*Not Tailorable”, compliance document(s) may be tailorable in accordance with the SMC/LE Configuration Management Plan (CMP). Sufficient justification/rationale must be provided to demonstrate low risk that is consistent with risk definitions in the Technical Issue Resolution Process (TIRP). Recommended revisions to the compliance list shall be provided to the Government (SMC/LE) or their designees for deviation review and formal approval. Tailoring and deviations shall be controlled, processed, and approved in accordance with Configuration Change Board (CCB).

Note 1: For United States Air Force (USAF) missions only.

Note 2: For National Reconnaissance Office (NRO) missions only.

Note 3: Contained in EELV System Performance Requirements Document (SPRD) Revision A

Note 4: Contained in EELV System Performance Requirements Document (SPRD) Revision B

Note 5: Contained in EELV Standard Interface Specification (SIS) Revision B

Note 6: Contained in EELV Standard Interface Specification (SIS) Revision C

Note 7: Reserved

Note 8: Reserved

Note 9: Reserved

Note 10: Tailoring is not within LE’s approval authority

Note 11: Standard on list in anticipation of Gap Analysis with minimal findings.

Table 2 includes the reference documents applicable to an EELV launch service contract and are provided here as reference for the LSA OTA effort.

<b>Table 2 EELV Launch Service Reference Documents</b>		
<b>Document Number/Abbreviation</b>	<b>Revision/Date</b>	<b>Document Title</b>
AFI 10-1212	31-Oct-2001	Space Launch Vehicle Return to Flight
AFI 10-245	25-Jun-15	Anti-terrorism
AFI 10-701	8-Jun-11	Operations Security (OPSEC)
AFI 10-1202_AFSPCSUP	17-Jul-13	Space Test Program (STP) Management
AFI 20-114	7-Jun-11	Air and Space Equipment Structural Management
AFI 21-214	22-Sep-2014	Space Launch Maintenance and Mission Assurance
AFI 31-101	7-Mar-13	Integrated Defense
AFI 31-101_AFSPCSUP	29-Jan-14	Integrated Defense Air Force Space Command Supplement
AFI 33-580	24-Dec-2015	Spectrum Management
AFI 63-101/20-101	7-Mar-13	Air Force Instruction (AFI) 63-101/20-101, Life Cycle Systems Engineering
AFI 91-202_AFSPCSUP_I	26-Jun-12	The US Air Force Mishap Prevention Program
AFI 91-204_AFSPCSUP_I	19-Sep-14	Safety Investigations and Reports
AFI 91-217	17-Apr-14	Space Safety and Mishap Prevention Program
AFMAN 91-22_AFSPCSUP_I	2-Jan-07	Space Safety Investigations and Report
AFSPCI 10-1203		Space Range Review Board (SRRB)
AFSPCI 10-1208	29-Aug-13	Spacelift Operations
AFSPCI 10-1215		Support to FAA-Licensed Space Launch Activities
AFSPCI 13-1213	18-Sep-13	Air Force Space Command Instruction (AFSPCI) 13-1213
AFSPCMAN 91-711		Launch Safety Requirements for AFSPC Organizations
ANSI/VITA 51.1-2008	R2013	American National Standards Institute/ VMEbus International Trade Association (ANSI/VITA) 51.1-2008, Reliability Prediction MIL-HDBK-217 Subsidiary Specification
AS 9101:2014 (Rev E)	2014	Quality Management Systems Audit Requirements for Aviation, Space, and Defense Organizations
ASME Y14.5-2009	27-Mar-09	Dimensioning and Tolerancing
ASTM E595		Standard Test Method for Total Mass Loss and Collected Volatile Condensable

Table 2 EELV Launch Service Reference Documents		
Document Number/Abbreviation	Revision/Date	Document Title
ASTM E1548	2009	Standard Practice for Preparation of Aerospace Contamination Control Plans
CJCSI 6130.01E	1-May-13	MASTER POSITIONING, NAVIGATION, AND TIMING PLAN (MPNTP)
Clean Air Act	24-Feb-04	United States Federal Law, Clean Air Act
DoDI 3100.12		Space Support
DoDI 4140.67	26-Apr-13	DoD Counterfeit Prevention Policy
DoDI 4650.08	5-Feb-2015	Positioning, Navigation, and Timing (PNT) and Navigation Warfare (Navwar)
DoDI 5000.02	7-Jan-15	Interim Operation of the Defense Acquisition System
DoDI 5200.39	28-May-15	CPI Protection Within the Department of Defense
DoDI 5200.44	5-Nov-12	Protection of Mission Critical Functions to Achieve Trusted Systems and Networks (TSN)
DoDI 8500.01	14-Mar-14	Cybersecurity
DoDI 8510.01	12-Mar-14	Risk Management Framework (RMF) for DoD Information Technology (IT)
EELV RUG	16-Jul-16	EELV Rideshare User Guide (RUG)
ELSS SRD	13-Feb-13	EELV Engineering Launch Support System (ELSS) System Requirements Document (SRD)
FED-STD-209E		Airborne Particulate Cleanliness Classes in Cleanrooms and Cleanzones
ISO 9001-2015	2015	Quality Management Systems
ISO 14644-1		Cleanrooms and controlled environments
JANNAF GL-2012-01-R0	Dec-12	Test and Evaluation Guidelines for Liquid Rocket Engines
Mil-Hdbk-896	08-Aug-08	Manufacturing and Quality Program
MIL-P-27401C	20-Jan-75	Propellant Pressurizing Agent, Nitrogen
MIL-PRF-27401F	10-Jan-08	Propellant Pressurizing Agent, Nitrogen
MIL-STD-498	05-Dec-94	Software Development and Documentation
MIL-STD-881C Appendix J	3-Oct-11	Work Breakdown Structures for Defense Material Items
MIL-STD-1540E	06-Sep-06	Test Requirements for Launch Upper-Stage, and Space Vehicles aka SMC-TR-06-11 AEROSPACE REPORT NO. TR-2004(8583)-1 REV. A

Table 2 EELV Launch Service Reference Documents		
Document Number/Abbreviation	Revision/Date	Document Title
MIL-STD-1791A	19-Nov-12	Designing for Internal Aerial Delivery in Fixed-Wing Aircraft
MIL-STD-1366E	31 Oct 16	DoD Interface Standard for Transportability Criteria
MIL-STD-2073-1E(1)	7-Jan-11	Standard Practice for Military Packaging
Nadcap AC7004	Jun-13	Aerospace Quality System
NAS 411	2013	National Aerospace Standard (NAS) 411: Hazards Materials Management Program
NASA-STD-8719.13		NASA Software Safety Standard
NASA-STD-8719.14		NASA Standard Process For Limiting Orbital Debris
NECG	27-Oct-11	United States Air Force Launch Services New Entrant Certification Guide
NPRD-95	1995	Reliability Analysis Center Nonelectronic Parts Reliability Data (RAC NPRD)
NTIA Manual 8.2.41		Manual of Regulations and Procedures for Federal Radio Frequency Management – Section 8.2.41
OSL BLRP (Note 2)	17-Oct-11	OSL Baseline Launch Rehearsal Plan
OSL Baseline DoL Plan (Note 2)	8-Sep-09	Baseline Day of Launch (DoL) Plan
SAE AS9003	Jul-12	Inspection and Test Quality Systems, Requirements for Aviation, Space, and Defense Organizations
SAE AS9120	Jun-09	Quality Management Systems – Requirements for Aviation, Space and Defense Distributors
MIL-STD-1528A	9-Sep-86	Production Management
SMC-G-1201	7-Oct-09	Assurance of Operational Safety, Suitability, and Effectiveness (OSS&E) for Space and Missile Systems
SMC-G-1202	7-Oct-09	Space Flight Worthiness Criteria (SFWC)
SMC-G-1203	13-Oct-09	Independent Readiness Review Team (IRRT)
SMC-G-1204	31-Oct-13	SMC Space Launch Readiness Review
SMC-S-012	13-Jun-08	Software Development for Space Systems
SMC-T-003		SMC Tailoring of NASA-STD-8719.14 (2009)
SMCI 62-110	24-Jul-14	Space Debris Mitigation Management
SMCI 63-1205	28-Jun-11	SMC System Safety Program
SMC/LR Generic Government Baseline Launch Rehearsal Plan	8-May-14	SMC/LR Generic Government Baseline Launch Rehearsal Plan



Table 2 EELV Launch Service Reference Documents		
Document Number/Abbreviation	Revision/Date	Document Title
SMC/LR EELV MAP	Apr-12	Launch Systems Directorate Evolved Expendable Launch Vehicle Mission Assurance Plan
SMC/LR RMP	Version 3.0 Jun-14	Launch and Range Systems Directorate (SMC/LR) Risk Management Plan (RMP)
EELV SEP	2016	EELV Systems Engineering Plan (SEP)
SMC/LR TIRP	15-Aug-15	SMC/LR Generations and Operations Division (GENOPS) Technical Issue Resolution Process (TIRP)
TOR-2005(8583)-4019	29-Apr-05	Risk Management Plan Guide for Space Acquisition Programs
TOR 2007(8583)6414		Space System Supplement, vol. 2, to SMC-S-021, Technical Reviews and Audits for Systems, Equipment and Computer Software
TOR 2008(8583-7560)		Tailoring Instructions for S-120-2006 Rev A
30SWI 90-202	17-Oct-12	30th Space Wing Instruction (30SWI) 90-202, Management of Reimbursable Programs
30SWI 91-101	30-Jul-09	30th Space Wing Instruction (30SWI) 91-101 Launch Support Team Process
30 SW Base Support Policy	3-Feb-11	Annex B to Commercial Space Operations Support Agreement (CSOSA), 30 SW Base Support Policy
30 SWOP 91-204, Vol. 2	22-Jul-13	30th Space Wing Operating Plan (SWOP) 91-204, Volume 2, Investigation of Launch and Launch Processing Mishaps
45 SW Base Support Policy	28-Feb-08	Annex A to Commercial Space Operations Support Agreement (CSOSA), 45th Space Wing (SW) Base Support Policy
45 SW CEMP 10-2	Nov-10	45th Space Wing (45 SW) Comprehensive Emergency Management Plan (CEMP) 10-2
45 SWOP 91-204, Vol. 2	12-Dec-11	45th Space Wing Operating Plan (SWOP) 91-204, Volume 2, Investigation of Launch and Launch Processing Mishaps
VAFB CEMP 10-2	Nov-09	Vandenberg AFB (VAFB) CEMP10-2